
(Parent Signature)

Name: _____

Date Due: _____

6th Grade Practice Sheet 3

Show all work - **NO CALCULATORS!**

1. Find the unit rate 20 lbs for \$4		6. If 54 juice boxes serve 18 students, how many juice boxes are needed for 14 students?	
2. Find the unit rate 140 pages in 35 minutes		7. In a class of 28 students, 24 have their locker combinations memorized. Based on this sample, how many of the 490 6 th graders have their locker combinations memorized?	
3. Evaluate 5 squared		8. Evaluate 2 cubed	
4. Write using an exponent. $3 * 3 * 3 * 3$		9. Evaluate 4^2	
5. Find the total of $\frac{2}{3}$ and $\frac{3}{4}$		10. Find the difference of $\frac{5}{6}$ and $\frac{2}{3}$	

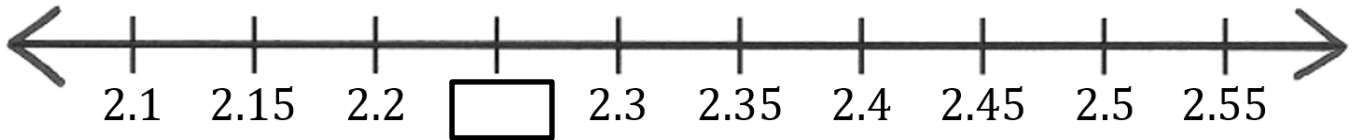
<p>11. Find the GCF:</p> <p>8 and 12</p>		<p>16. While hiking, Bo burns 808 Calories in 8 hours.</p> <p>At this rate, how many Calories does he burn in 60 minutes?</p>	
<p>12. Find the GCF:</p> <p>65 and 90</p>		<p>17. Jack's plant grew 50 inches in 100 weeks.</p> <p>At this rate, how much did it grow in 210 days?</p>	
<p>13. Find the LCM:</p> <p>8 and 12</p>		<p>18. Mrs. Davis bought 6 pounds of grapes for \$18.</p> <p>At this rate, how much would 72 ounces of grapes have cost?</p>	
<p>14. Find the LCM:</p> <p>18 and 16</p>		<p>19. Find the equivalent fraction.</p> $\frac{1}{4} = \frac{\quad}{72}$ $\frac{27}{50} = \frac{54}{\quad}$	
<p>15. Simplify each fraction.</p> $\frac{16}{28}$ $\frac{35}{50}$		<p>20. In a class of 30 students, the ratio of pet owners is $\frac{2}{3}$.</p> <p>How many students do not own a pet?</p>	

Show how you made your choice.

21) Which list contains only numbers that are multiples of 8?

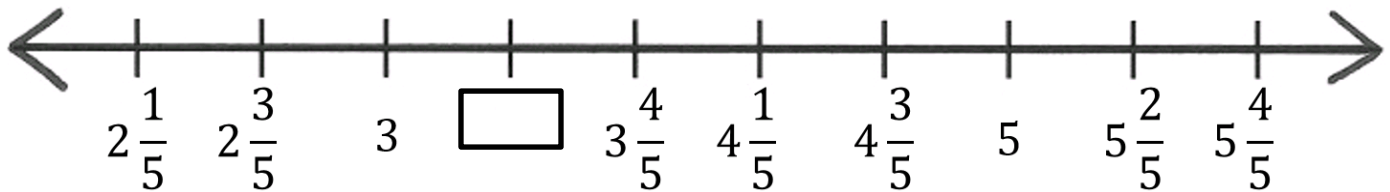
- a. 1, 2, 4, 8
- b. 8, 24, 32, 56
- c. 1, 8, 16, 24
- d. 32, 16, 12, 8

22) What is the missing number on the following number line?



- a. 2.20
- b. 2.25
- c. 2.30
- d. 2.35

23) What is the missing number on the following number line?



- a. $3\frac{1}{5}$
- b. $3\frac{2}{5}$
- c. $3\frac{3}{5}$
- d. $3\frac{4}{5}$

24) In an art class, there are 32 pens to 40 brushes. What is the ratio of pens to brushes written as a fraction in simplest form?

- a. $\frac{4}{5}$
- b. $\frac{2}{5}$
- c. $\frac{8}{10}$
- d. $\frac{5}{4}$

25) Hannah jogged $1\frac{3}{4}$ miles (mi) on Saturday and three miles on Sunday. What is the difference between these two distances?

- a. $1\frac{1}{4}$
- b. $2\frac{1}{4}$
- c. $2\frac{3}{4}$
- d. $4\frac{3}{4}$

26) The cost for a national 30 – second TV commercial during a highly rated series is \$300,000. What is the cost per second?

- a. \$10,000 per second
- b. \$10,300 per second
- c. \$299,970 per second
- d. \$9,000,000 per second

27) Frank has \$6 in nickels. How many nickels is that?

- a. 60
- b. 120
- c. 24
- d. 600

28) As of today, Colette has \$219. Colette decided to divide her money three different ways, one for a savings account, one for gifts and one to spend on herself. How much money can she spend on herself and on gifts?

- a. \$219
- b. \$657
- c. \$73
- d. \$146

29) Ashley has \$135. She babysits her brother, Mark, after school every day for 3 hours and is paid \$3 an hour. After a 5–day week how much money does she have total?

- a. \$150
- b. \$45
- c. \$144
- d. \$180

30) There are 8 boxes, which contain a total of 56 sweaters, in a store warehouse. If the store needs 35 sweaters, how many boxes should they take?

Sweaters	56		35
Boxes	8		■

- a. 4 boxes
- b. 5 boxes
- c. 7 boxes
- d. 9 boxes